

Eriogonum crosbyae Reveal**CROSBY BUCKWHEAT**

FAMILY: *Polygonaceae*, the buckwheat family.

STATUS: **Heritage Program SENSITIVE LIST, ranks: G3 S3**

USFWS/ESA: species of concern, formerly CANDIDATE or PROPOSED. **STATE OF NEVADA:** none.

BLM: Special Status Species in Nevada and California. **USFS:** none. **NNNPS:** watch list.

POPULATION CENSUS (NEVADA): **30 extant occurrences mapped** at 1.0 km (0.6 mi) separation, **OR 58 extant and 3 extirpated occurrences mapped** at 0.16 km (0.1 mi) separation; total estimated **individuals 160,000+**, total estimated **area 98.1+ ha (242+ ac)**. **TREND:** DECLINING OR STABLE.

IMPACTS AND MAJOR THREATS (NEVADA): Past extirpations were caused by mineral exploration and extraction, to which the species remains vulnerable along with off-road vehicle use and private development activities.

INVENTORY EFFORT (NEVADA): Surveys are substantially complete in Nevada. Most recent entered survey 1993, average year of last survey 1988. **Years since last entered survey** (percent of mapped records at various survey ages): **6-10 yrs:** 29.5%; **11-20 yrs:** 70.5%.

LAND MANAGEMENT (NEVADA) in decreasing predominance: U. S. Bureau of Land Management, private lands.

RANGE: Humboldt and Washoe counties, Nevada; also in OR. Maximum Nevada **range dimension 49.3 km (30.6 mi)** excluding most disjunct record.

ELEVATIONS RECORDED (NEVADA): 4600-7000 feet (1402-2134 meters).

HABITAT (NEVADA): Outcrops of rhyolite or whitish fluviolacustrine volcanic ash deposits, and derived shallow sandy to clay soils, on gentle to steep slopes of all aspects, with *Chrysothamnus nauseosus*, *Tetradymia glabrata*, *Artemisia* spp., *Elymus cinereus*, *Stanleya viridiflora*, *Sphaeralcea*, *Ipomopsis congesta*, etc., and frequently with *Astragalus tiehmii* and/or *Eriogonum crosbyae*.

PHENOLOGY: flowering late-spring to summer. Range of most frequent **survey months:** June-October.

LIFE-FORM AND HABIT: small long-lived perennial cushion.

DESCRIPTION: A low perennial herb that forms a mat, 1-2.5 dm across, from a stout, woody base. Spherical clusters of yellow flowers, borne on erect, leafless stems (3-5 cm tall) bloom from late May to early August.

PHOTOGRAPHS: Nevada Natural Heritage Program images web page (1998-present), slide collection (1986-present), and files.

ILLUSTRATIONS: Meinke (1982).

OTHER GENERAL REFERENCES (listed separately): Reveal (1985).

SPECIFIC REFERENCES:

Kaye, T., W. Messinger, and S. Massey. 1990. *Eriogonum crosbyae* and *E. prociduum*. Inventory, reproduction, and taxonomic assessment. Lakeview District, Oregon: Bureau of Land Management.

Reveal, J. L. 1981. Notes on endangered buckwheats (*Eriogonum*: *Polygonaceae*) with three newly described from the western U. S. *Brittonia* 33: 441-448.

Reveal, J. L. 1985. New Nevada entities and combinations in *Eriogonum* (*Polygonaceae*). *Great Basin Naturalist* 45: 276-280.

Schoolcraft, G. and A. Tiehm. 1985. Noteworthy collections, Nevada. *Madroño* 32: 123-124.

Schoolcraft, G. 1989. Species management guide for *Eriogonum crosbyae*. Susanville, California: Bureau of Land Management.

Smith, F. J. and G. D. Schoolcraft. 1989. Status Report: *Eriogonum crosbyae*. Susanville, California: USDI Bureau of Land Management.

OF FURTHER INTEREST: The unnamed *Eriogonum* from "Lakeview Co., OR" of the Federal Register list.
